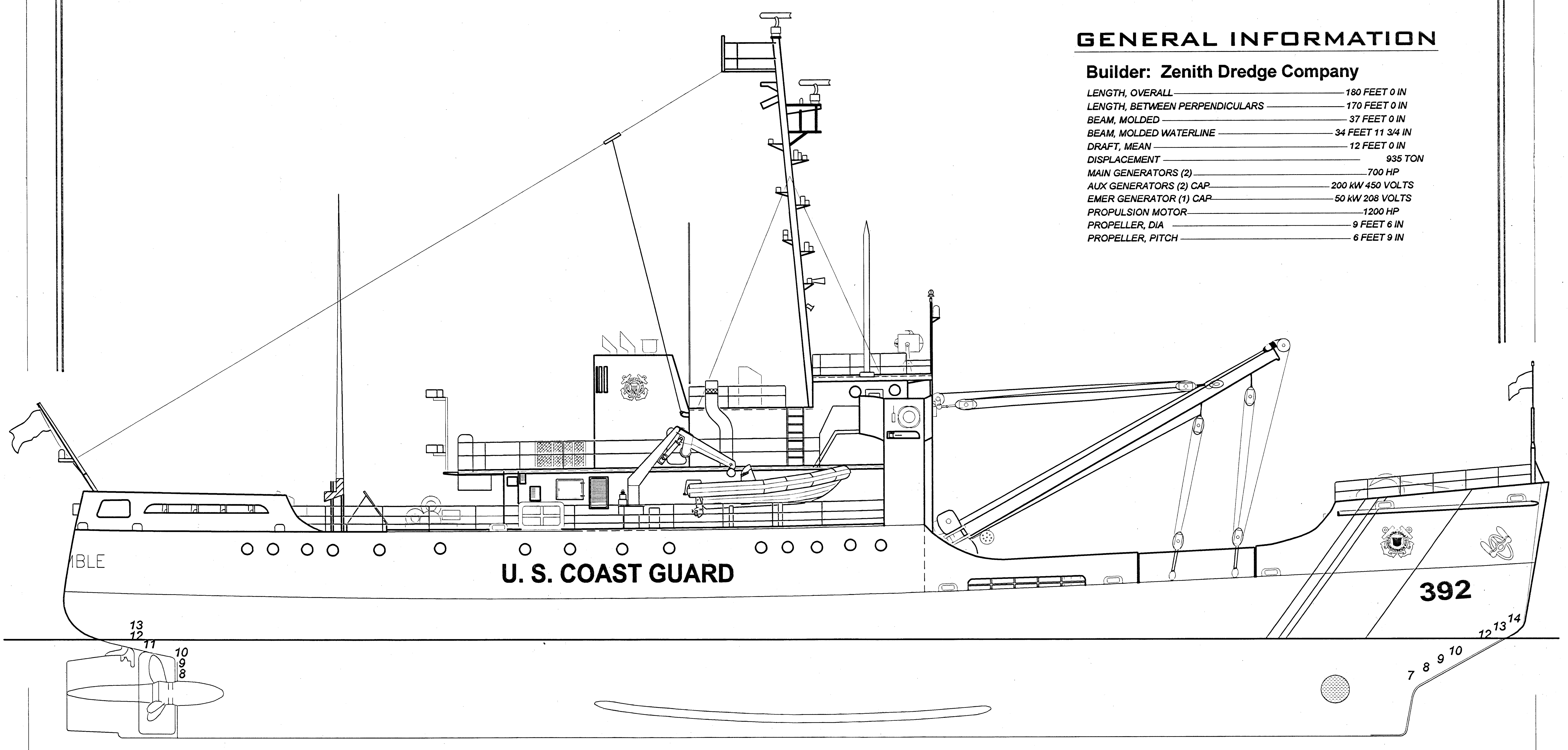
BRAMBLE

USCGC BRAMBLE

WLB-392 1944 (IRIS CLASS)

Commissioned

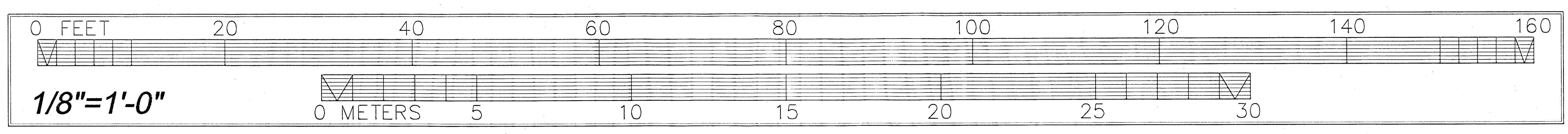

BLE
U. S. COAST GUARD
392
13
12
11
10
9
8
7
8
9
10
12
13
14

GENERAL INFORMATION

Builder: Zenith Dredge Company

LENGTH, OVERALL	*180 FEET 0 IN*
LENGTH, BETWEEN PERPENDICULARS	*170 FEET 0 IN*
BEAM, MOLDED	*37 FEET 0 IN*
BEAM, MOLDED WATERLINE	*34 FEET 11 3/4 IN*
DRAFT, MEAN	*12 FEET 0 IN*
DISPLACEMENT	*935 TON*
MAIN GENERATORS (2)	*700 HP*
AUX GENERATORS (2) CAP	*200 kW 450 VOLTS*
EMER GENERATOR (1) CAP	*50 kW 208 VOLTS*
PROPULSION MOTOR	*1200 HP*
PROPELLER, DIA	*9 FEET 6 IN*
PROPELLER, PITCH	*6 FEET 9 IN*

OUTBOARD PROFILE


0 FEET
20
40
60
80
100
120
140
160
1/8"=1'-0"
0 METERS
5
10
15
20
25
30

***NOTE:** This drawing was traced from original design drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features; see HAER Field Notebooks for more information. THESE DRAWINGS REPRESENT THE VESSEL'S CONTEMPORARY APPEARANCE AND NOT AS ORIGINALLY OUTFITTED.*

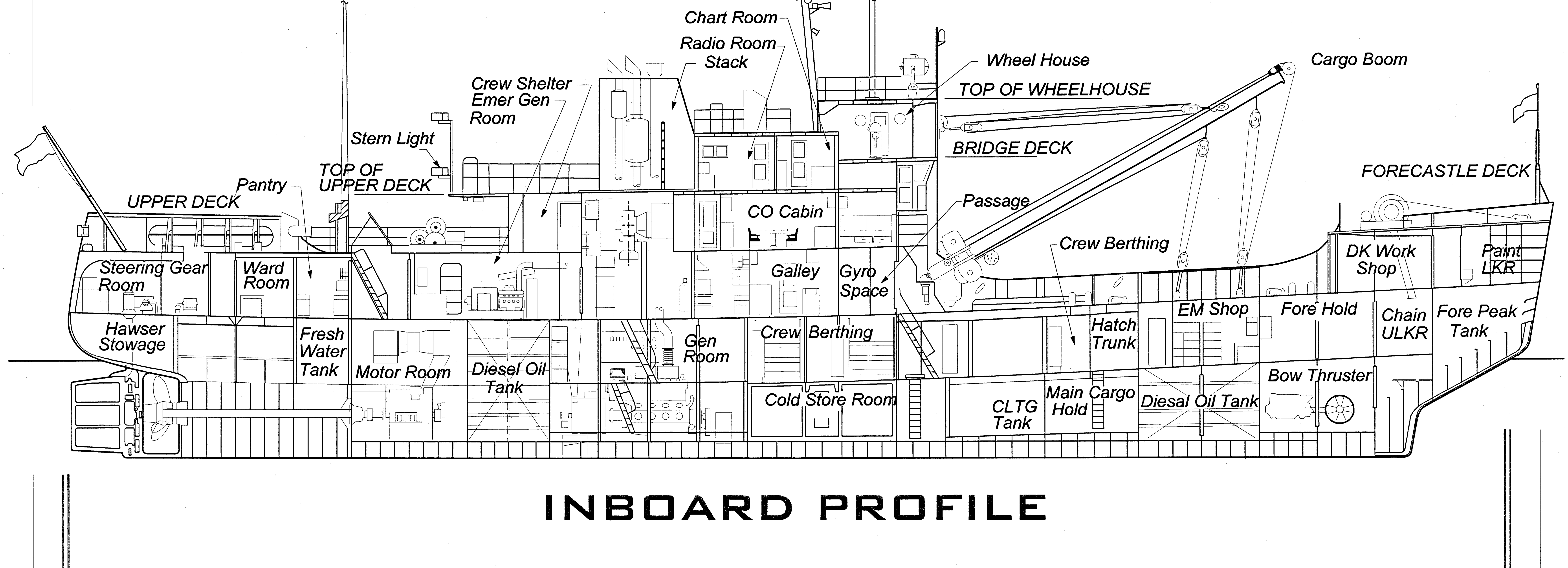


Chart Room
Radio Room
Stack
Wheel House
Cargo Boom
Crew Shelter
Emer Gen
Room
TOP OF WHEELHOUSE
Stern Light
BRIDGE DECK
TOP OF
UPPER DECK
Pantry
UPPER DECK
FORECASTLE DECK
Passage
CO Cabin
Crew Berthing
Steering Gear
Room
Ward
Room
Galley
Gyro
Space
DK Work
Shop
Paint
LKR
Hawser
Stowage
Fresh
Water
Tank
Crew Berthing
Hatch
Trunk
EM Shop
Fore Hold
Chain
ULKR
Fore Peak
Tank
Gen
Room
Motor Room
Diesel Oil
Tank
Cold Store Room
CLTG
Tank
Main Cargo
Hold
Diesal Oil Tank
Bow Thruster

INBOARD PROFILE

DELINEATED BY: *edited from USCG drawings*

HAER MARITIME
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. COAST GUARD CUTTER "BRAMBLE"- 1944
WATERFRONT AT LINCOLN AVE.
PORT HURON VIC. ST. CLAIR COUNTY MICHIGAN

SHEET
1 OF 6

HISTORIC AMERICAN
ENGINEERING RECORD
MI-323

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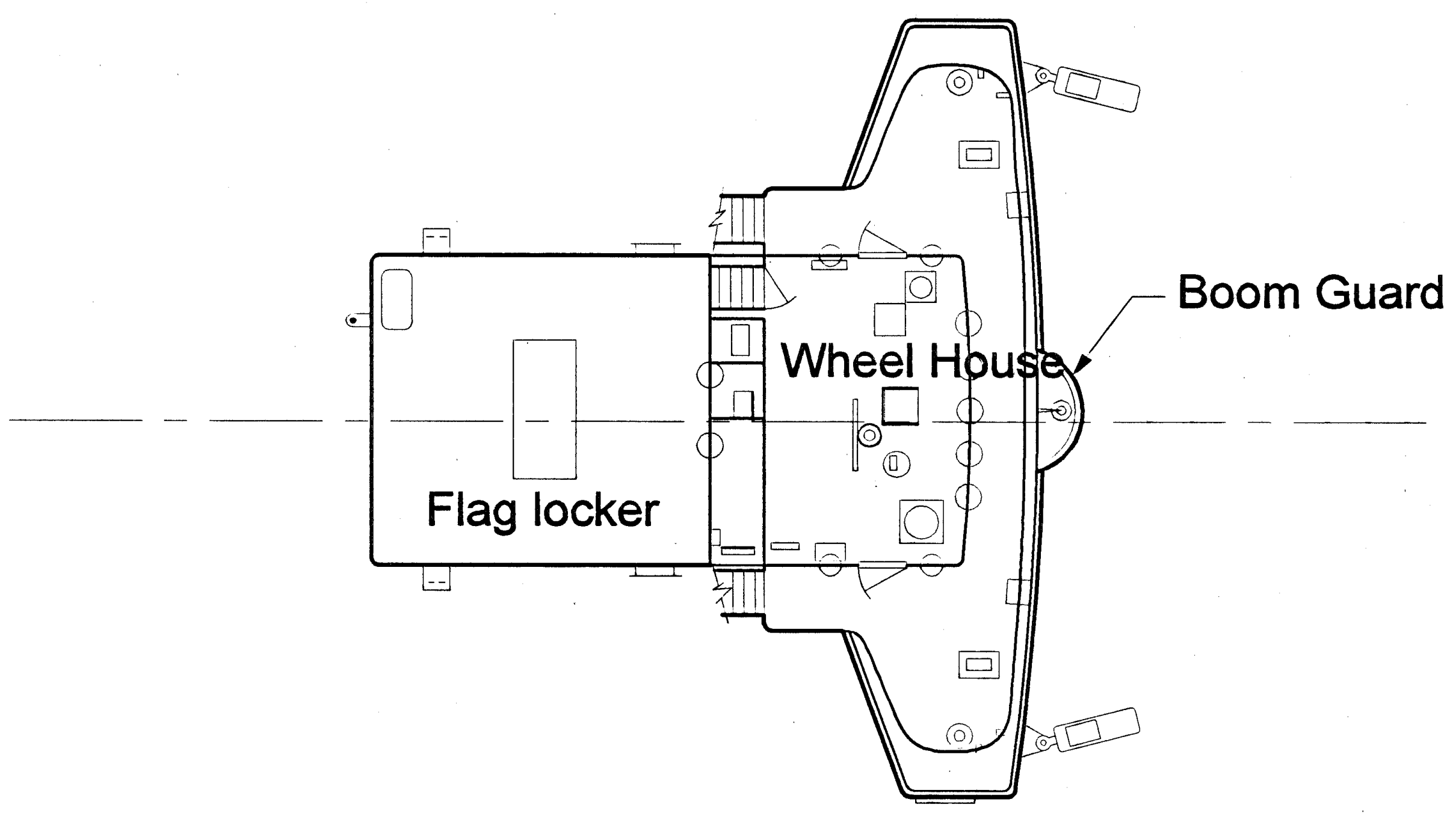
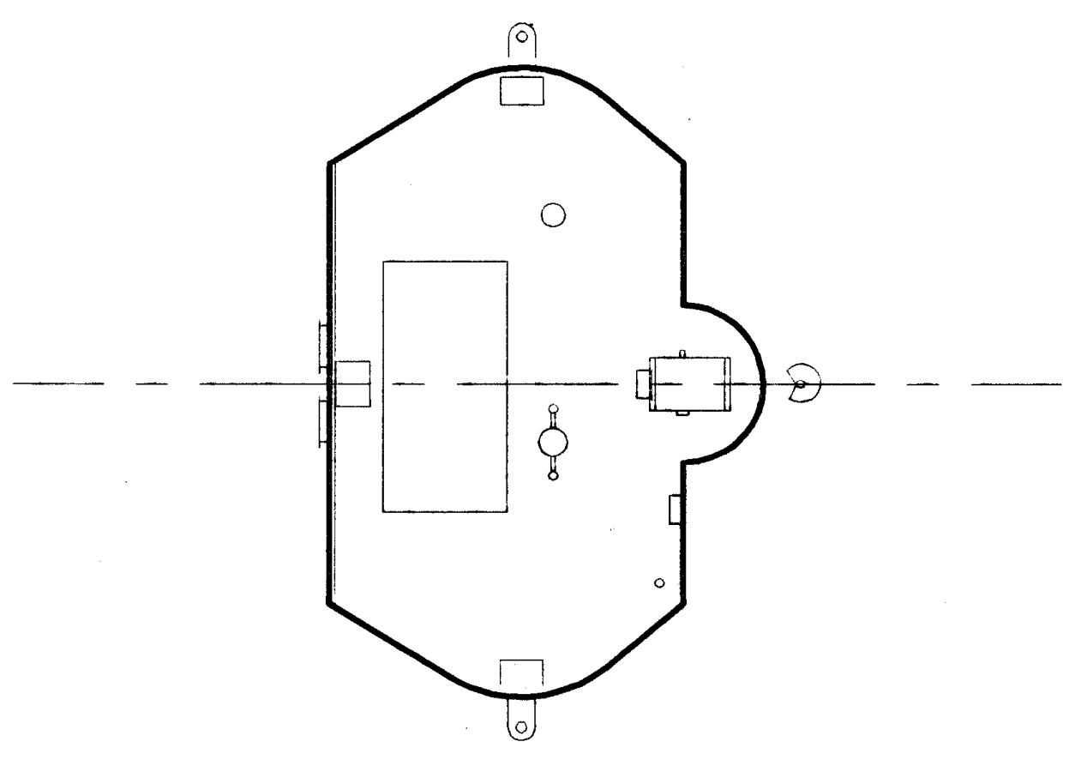
USCGC BRAMBLE-DECK PLANS

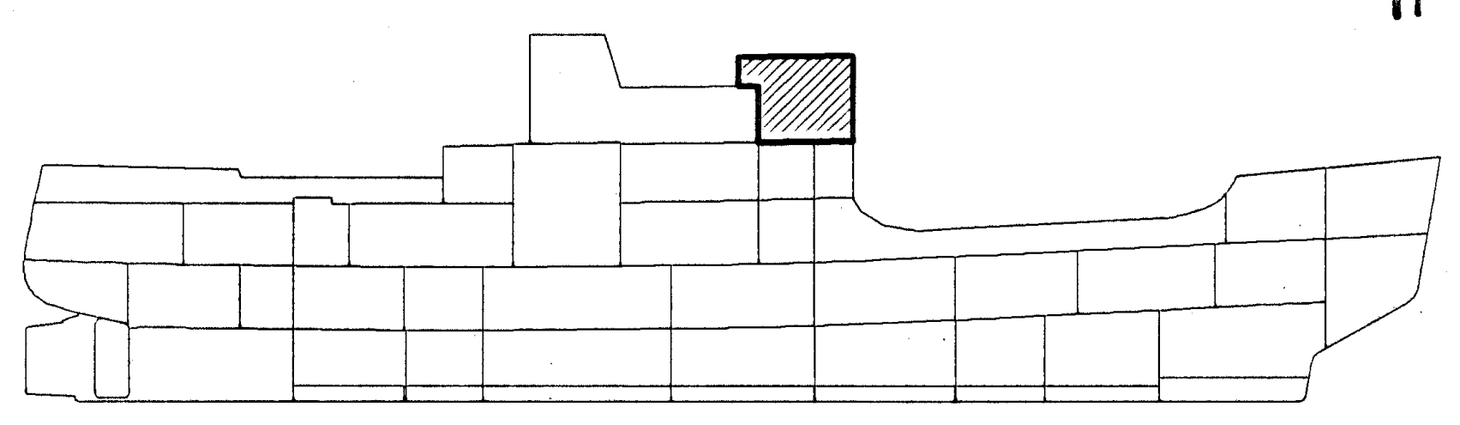
NOTE: *This drawing was traced from original design drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features; see HAER Field Notebooks for more information.*

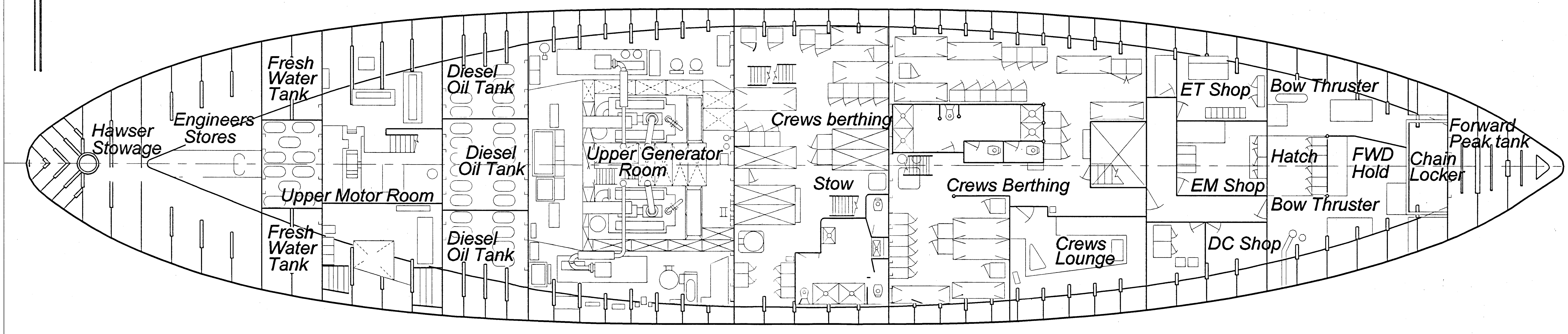

Boom Guard
Wheel House
Flag locker

PLAN OF BRIDGE

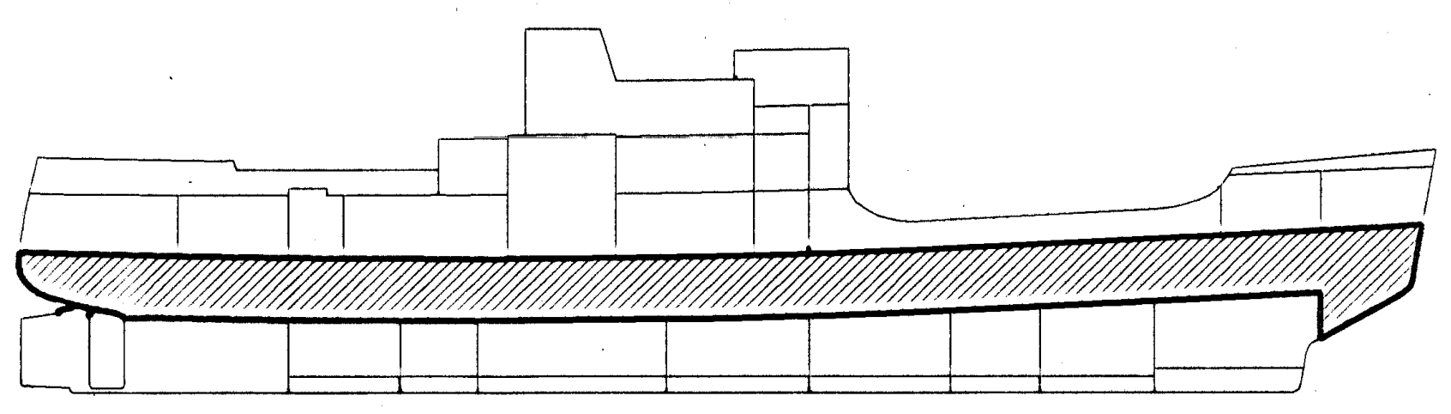


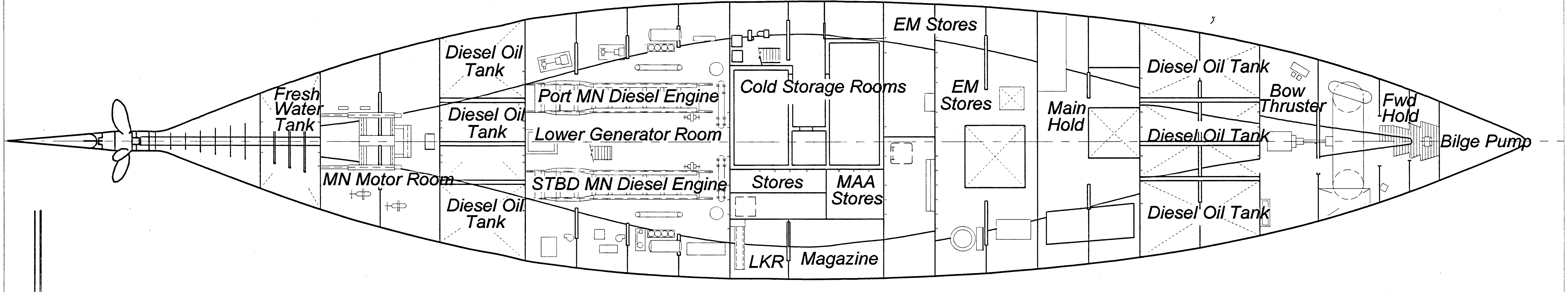
PLAN AT TOP OF WHEELHOUSE



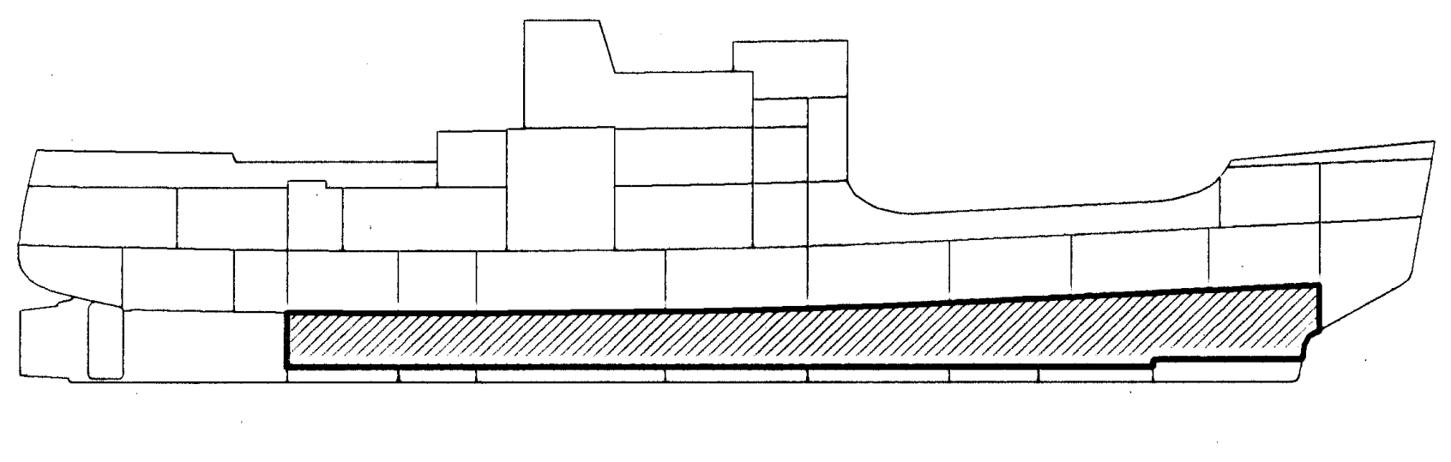

Hawser Stowage
Engineers Stores
Fresh Water Tank
Upper Motor Room
Fresh Water Tank
Diesel Oil Tank
Diesel Oil Tank
Diesel Oil Tank
Upper Generator Room
Crews berthing
Stow
Crews Berthing
Crews Lounge
ET Shop
EM Shop
DC Shop
Bow Thruster
Hatch
Bow Thruster
FWD Hold
Chain Locker
Forward Peak tank

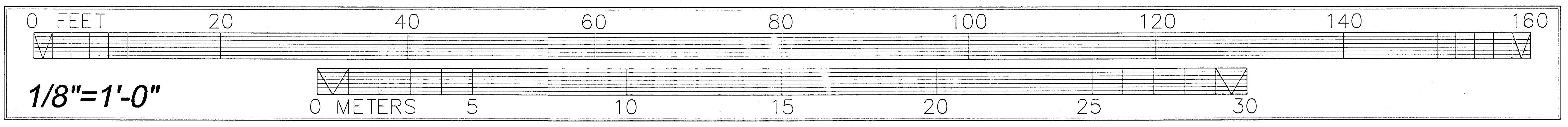
SECOND DECK PLAN




Fresh Water Tank
MN Motor Room
Diesel Oil Tank
Diesel Oil Tank
Diesel Oil Tank
Port MN Diesel Engine
Lower Generator Room
STBD MN Diesel Engine
Cold Storage Rooms
Stores
MAA Stores
LKR
Magazine
EM Stores
EM Stores
Main Hold
Diesel Oil Tank
Diesel Oil Tank
Diesel Oil Tank
Bow Thruster
Fwd Hold
Bilge Pump

HOLD LEVEL PLAN




0 FEET
20
40
60
80
100
120
140
160
0 METERS
5
10
15
20
25
30

1/8"=1'-0"

DELINEATED BY: *edited from USCG drawings*

UNITED STATES COAST GUARD
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

PORT HURON VIC.

U.S. COAST GUARD CUTTER "BRAMBLE"- 1944
WATERFRONT AT LINCOLN AVE.
ST. CLAIR COUNTY

MICHIGAN

SHEET
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HISTORIC AMERICAN
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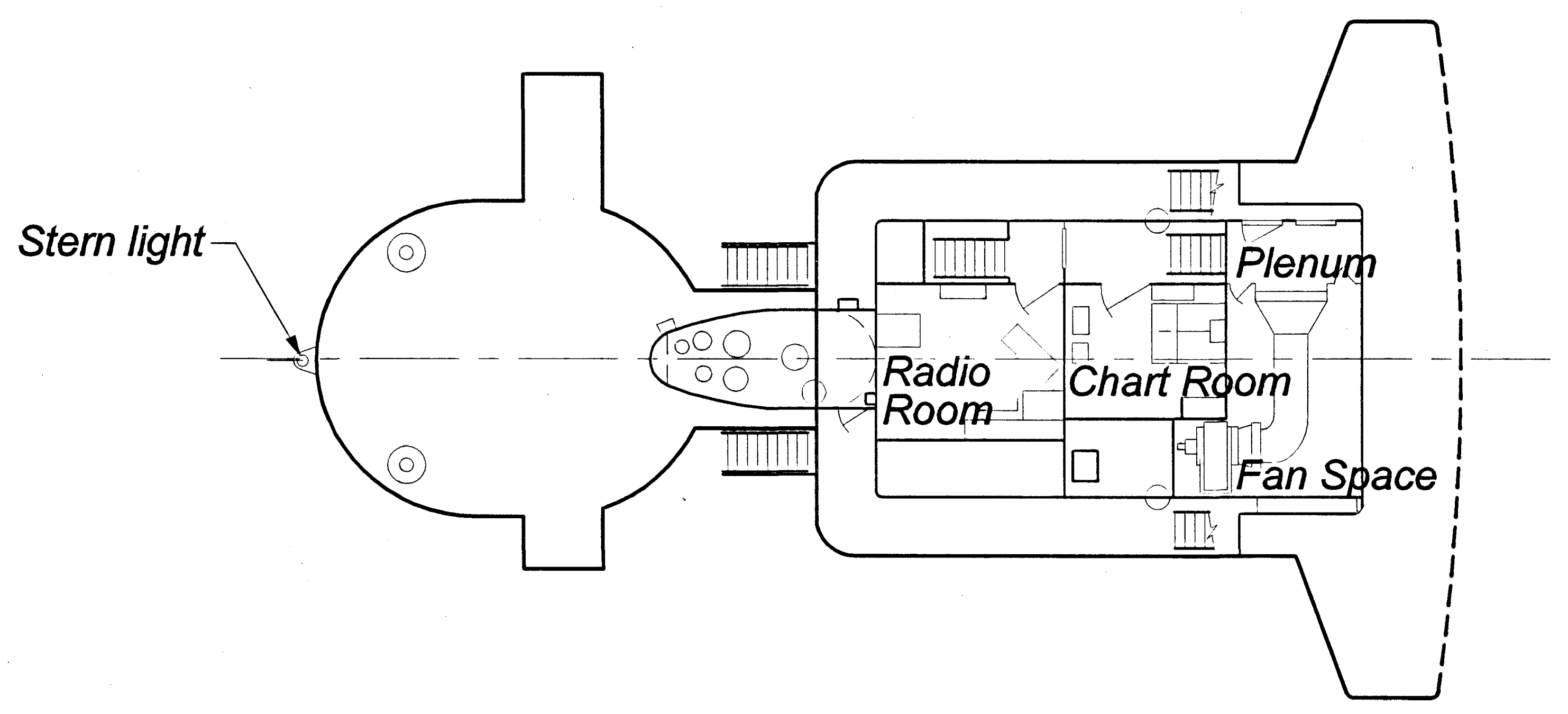
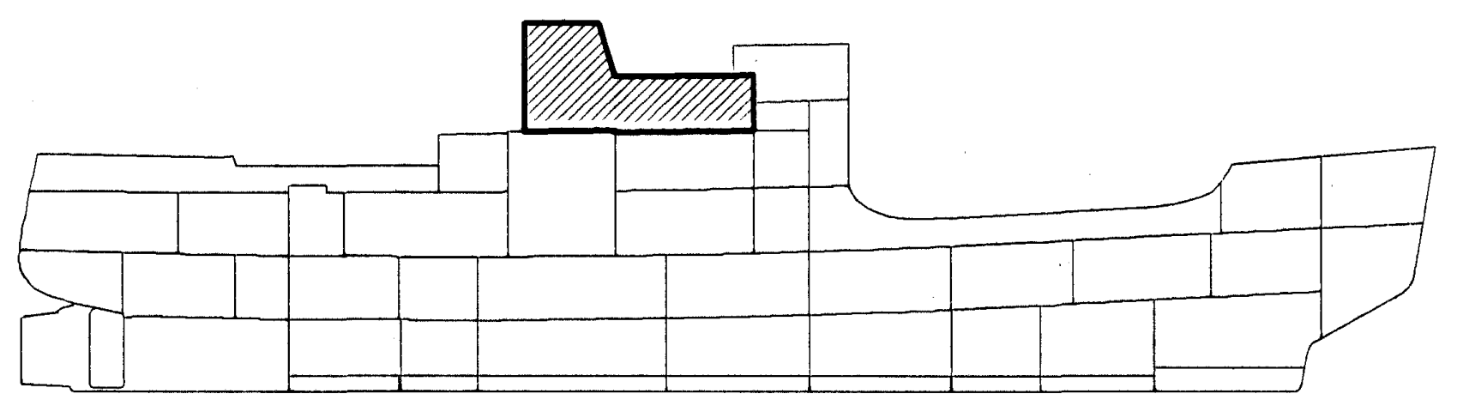
USCGC BRAMBLE-DECK PLANS

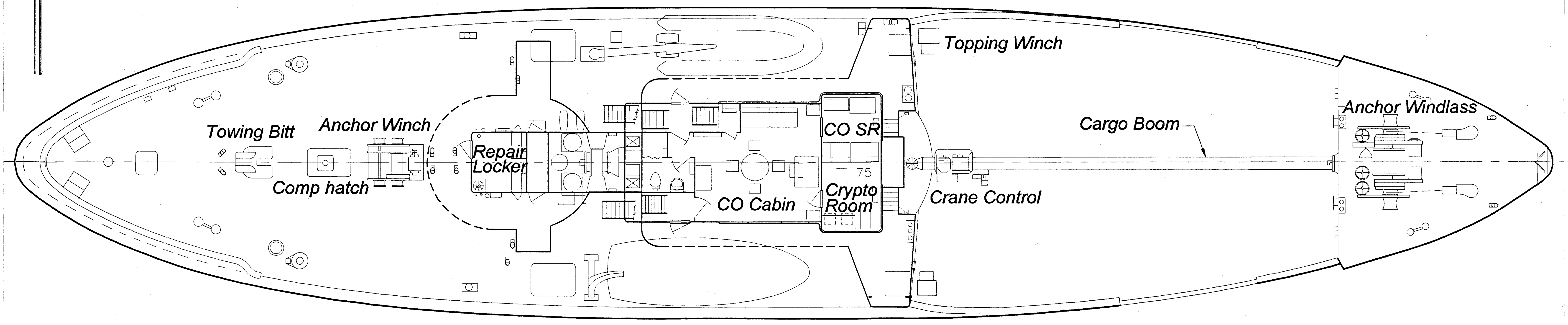
NOTE: *This drawing was traced from original design drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features; see HAER Field Notebooks for more information.*



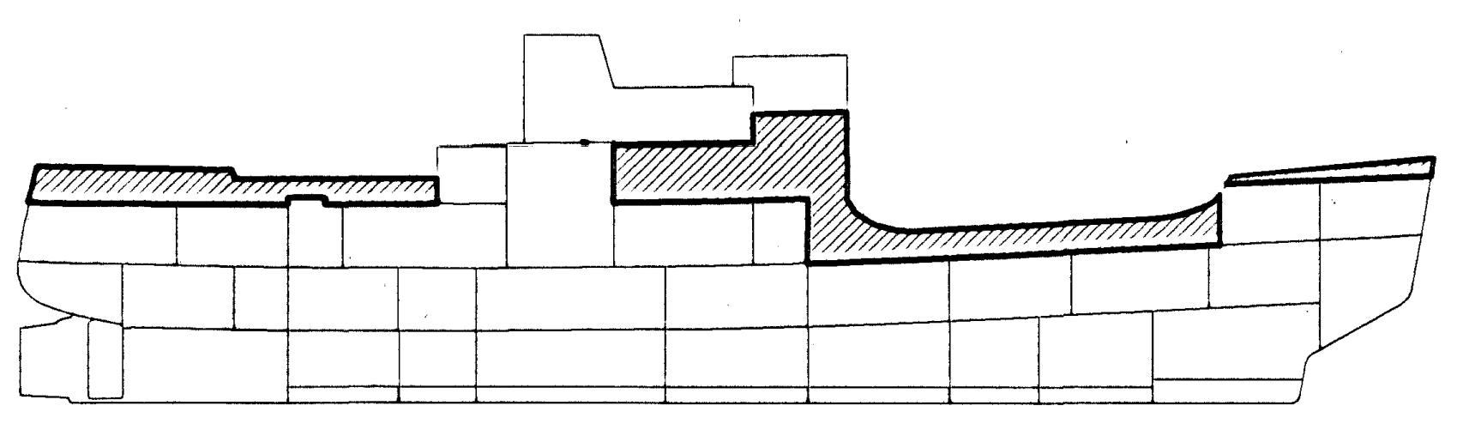
Stern light
Plenum
Radio Room
Chart Room
Fan Space



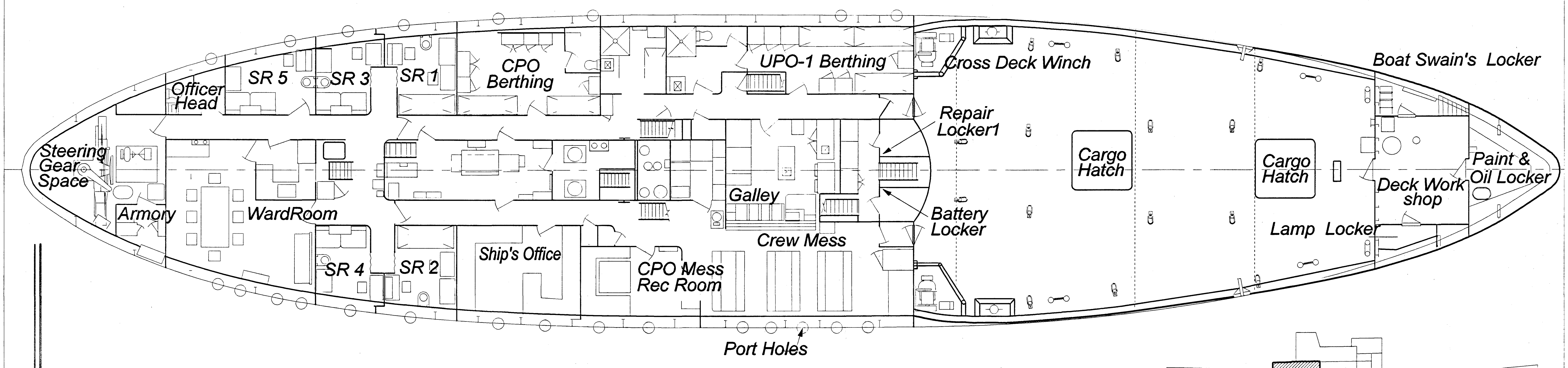
PLAN AT TOP OF UPPER DECK HOUSE



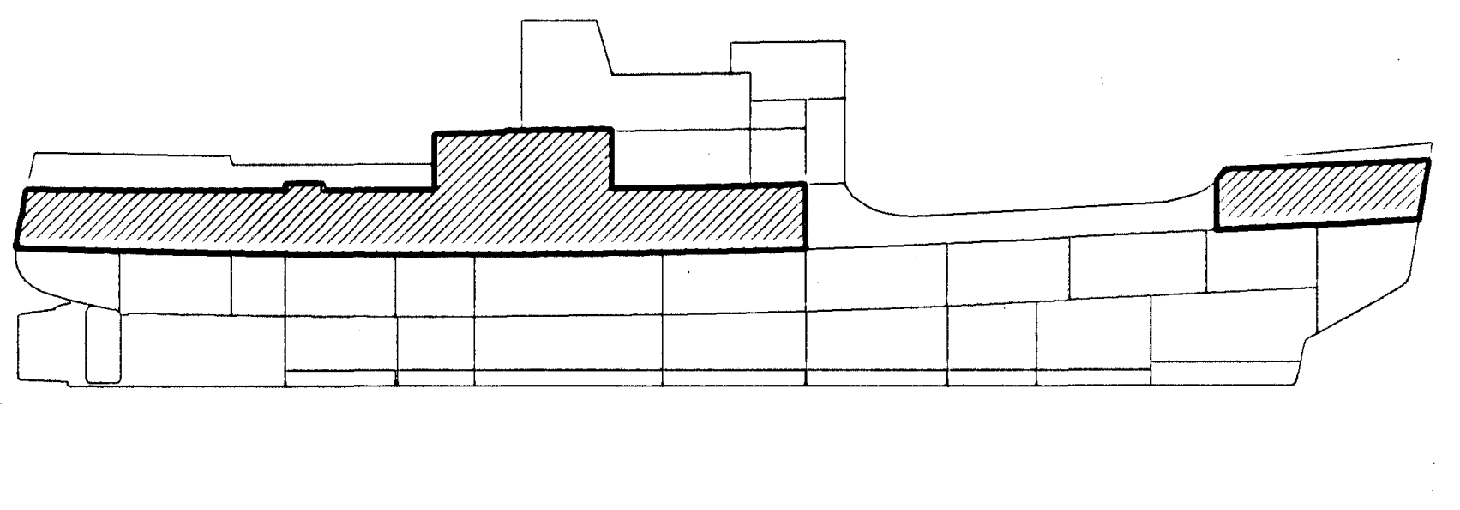
Topping Winch
Anchor Windlass
Towing Bitt
Anchor Winch
Cargo Boom
CO SR
Repair Locker
Comp hatch
75
Crypto Room
CO Cabin
Crane Control



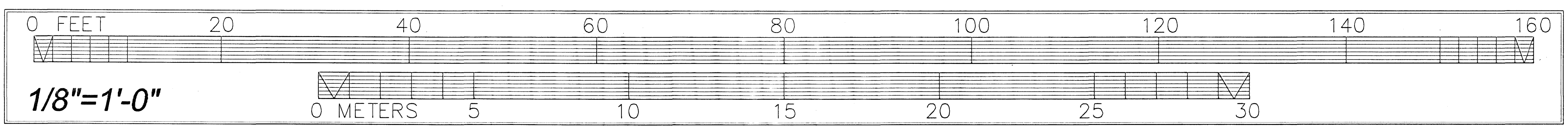
PLAN OF UPPER & FORECASTLE DECKS



Boat Swain's Locker
SR 5
SR 3
SR 1
CPO Berthing
UPO-1 Berthing
Cross Deck Winch
Officer Head
Repair Locker1
Steering Gear Space
Cargo Hatch
Cargo Hatch
Paint & Oil Locker
Deck Work shop
Galley
Armory
WardRoom
Battery Locker
Crew Mess
Lamp Locker
SR 4
SR 2
Ship's Office
CPO Mess Rec Room
Port Holes



MAIN DECK PLAN



0 FEET
20
40
60
80
100
120
140
160
1/8"=1'-0"
0 METERS
5
10
15
20
25
30

DELINEATED BY: *edited from USCG drawings*

UNITED STATES COAST GUARD
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. COAST GUARD CUTTER "BRAMBLE"- 1944
WATERFRONT AT LINCOLN AVE.
PORT HURON VIC. ST. CLAIR COUNTY MICHIGAN

SHEET
3 OF 6

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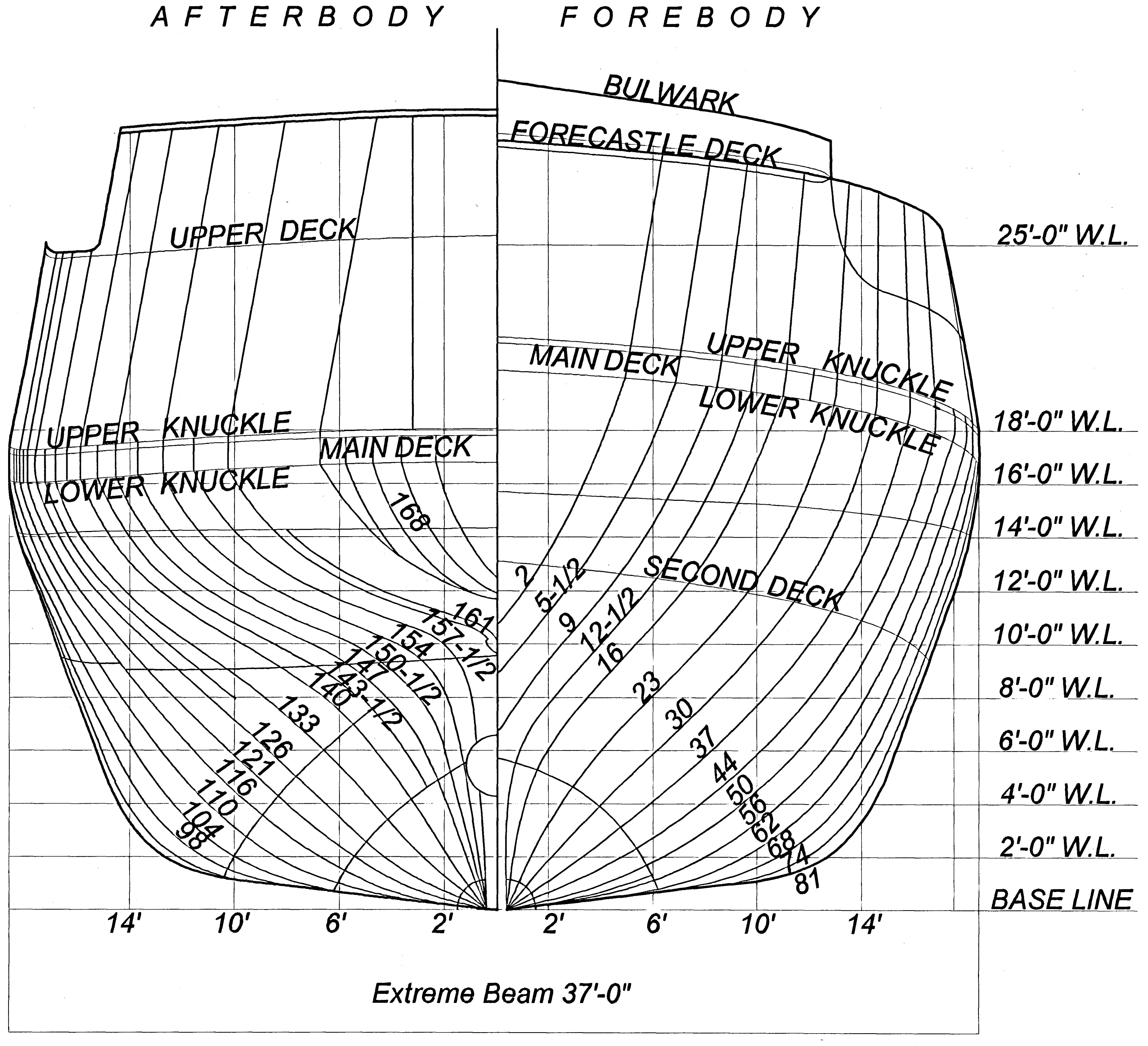
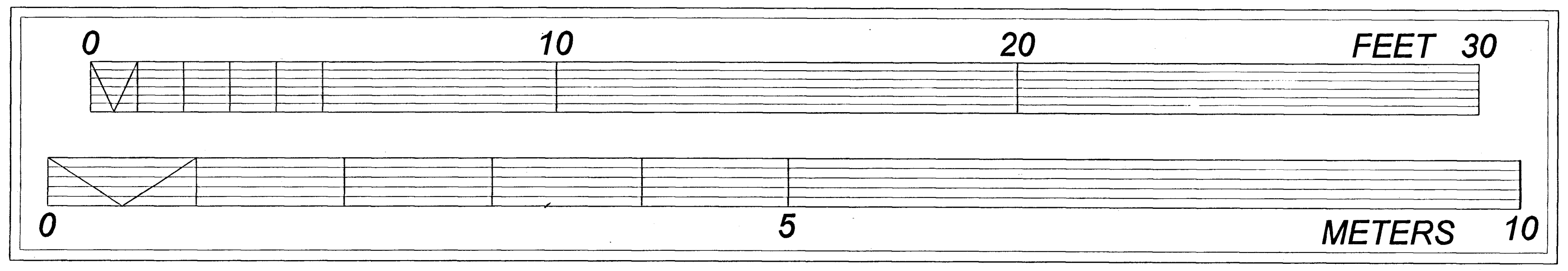
USCGC BRAMBLE - BODY PLAN

TABLE OF OFFSETS

		FOREBODY STATIONS														
		2	5½	9	12½	16	23	30	37	44	50	56	62	68	74	81
HALF-BREADTHS	2' W.L.				0-4-0	0-7-4	1-3-2	2-1-4	3-3-3	4-9-7	6-4-5	7-11-5	9-5-5	10-9-4	11-9-5	12-7-3
	4' W.L.				0-5-1	1-0-7	2-5-2	4-0-1	5-10-7	7-9-6	9-4-6	10-10-2	12-1-5	13-2-0	13-11-1	14-5-3
	6' W.L.				0-10-6	1-11-4	3-11-6	6-1-4	8-2-6	10-1-3	11-6-5	12-9-3	13-9-1	14-5-6	14-11-6	15-3-3
	8' W.L.		--	0-10-4	2-2-1	3-5-5	5-11-2	8-2-7	10-3-1	11-11-4	13-1-7	14-1-3	14-10-4	15-5-0	15-9-4	16-0-3
	10' W.L.		1-0-1	2-6-2	3-11-6	5-4-2	7-11-0	10-1-1	11-11-1	13-4-6	14-4-5	15-2-1	15-9-5	16-3-0	16-6-6	16-9-1
	12' W.L.	1-0-2	2-7-5	4-2-7	5-9-0	7-1-6	9-7-5	11-8-0	13-3-5	14-6-7	15-4-7	16-1-0	16-7-3	17-0-1	17-3-5	17-5-7
	14' W.L.	2-3-7	4-0-7	5-8-1	7-1-7	8-6-2	10-11-0	12-10-0	14-4-0	15-5-6	16-2-6	16-10-2	17-4-1	17-8-2	17-11-2	18-2-1
	16' W.L.	3-3-6	5-2-1	6-9-6	8-3-0	9-7-0	11-10-1	13-8-2	15-1-0	16-2-3	16-11-0	17-6-2	17-11-6	18-2-6	18-4-5	18-5-5
	22' W.L.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	25' W.L.	5-10-1	7-8-4	9-2-4	10-5-4	11-6-3	--	--	--	--	--	--	--	--	--	--
HEIGHTS above base	2' BUTT.	13-5-1	11-2-4	9-4-7	7-9-2	6-0-7	3-3-6	1-10-3	1-1-1	0-7-7	0-4-4	0-2-4	0-2-2	0-2-2	0-2-2	0-2-2
	6' BUTT.	--	17-7-7	14-6-2	12-3-5	10-8-3	8-0-6	5-10-5	4-1-0	2-8-4	1-9-4	1-1-3	0-9-0	0-7-6	0-7-6	0-7-6
	10' BUTT.	--	--	--	20-10-1	16-11-0	12-5-7	9-10-6	7-8-5	5-10-6	4-6-0	3-3-5	2-3-6	1-7-2	1-2-5	1-1-3
	14' BUTT.	--	--	--	--	--	--	16-10-5	13-3-0	10-11-7	9-4-0	7-9-6	6-4-4	5-2-0	4-1-2	3-4-1

		AFTERBODY STATIONS														
		98	104	110	116	121	126	133	140	143½	147	150½	154	157½	161	168
HALF-BREADTHS	2' W.L.	11-3-3	9-11-7	8-5-3	6-9-5	5-5-7	4-3-1	2-10-3	1-10-2	1-6-0	1-2-2	0-11-2	0-8-4	0-5-6	0-0-0	--
	4' W.L.	13-4-6	12-4-3	11-0-3	9-5-6	8-0-4	6-7-0	4-8-4	3-2-1	2-5-7	1-11-0	1-5-4	1-0-3	0-7-3	0-0-0	--
	6' W.L.	14-7-3	13-10-3	12-10-2	11-6-5	10-3-0	8-9-2	6-7-2	4-7-3	3-7-7	2-9-2	2-0-1	1-4-2	0-9-0	0-0-0	--
	8' W.L.	15-7-0	15-1-0	14-4-1	13-4-2	12-3-3	11-0-2	8-11-3	6-7-3	5-4-4	4-2-0	2-11-7	1-10-6	0-11-3	0-0-0	--
	10' W.L.	16-6-0	16-2-0	15-7-7	14-11-4	14-2-3	13-3-2	11-8-7	9-8-7	8-5-7	7-0-7	5-6-7	3-10-7	2-0-4	0-2-3	
	12' W.L.	17-4-3	17-1-6	16-9-7	16-4-3	15-10-6	15-3-6	14-3-0	12-10-5	12-0-4	11-0-4	9-10-2	8-5-4	6-10-3	5-1-2	1-2-2
	14' W.L.	18-1-2	17-11-7	17-9-1	17-5-5	17-1-3	16-8-1	15-10-3	14-9-2	14-0-6	13-2-7	12-3-3	11-1-7	9-9-7	8-3-5	4-7-0
	16' W.L.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	22' W.L.	17-7-6	17-7-2	17-5-5	17-2-7	16-11-7	16-7-6	15-11-4	15-0-0	14-5-0	13-8-5	12-10-6	11-11-1	10-9-3	9-5-3	6-0-1
	25' W.L.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
HEIGHTS above base	2' BUTT.	0-2-2	0-2-2	0-2-2	0-2-6	0-4-4	0-7-6	1-2-5	2-2-2	2-11-6	4-2-4	5-11-4	8-2-5	9-11-5	10-11-0	12-3-7
	6' BUTT.	0-7-6	0-8-0	0-11-0	1-6-2	2-4-2	3-5-6	5-4-6	7-5-6	8-6-2	9-5-0	10-2-3	10-11-0	11-7-6	12-5-0	15-7-2
	10' BUTT.	1-4-7	2-0-0	3-1-0	4-5-5	5-9-1	7-1-2	8-9-3	10-1-6	10-9-2	11-4-6	12-1-0	12-11-0	14-2-2	16-1-6	--
	14' BUTT.	4-10-6	6-2-4	7-6-2	8-9-2	9-9-4	10-8-1	11-9-1	13-0-3	13-11-0	15-2-0	--	--	--	--	--


AFTERBODY
FOREBODY
BULWARK
FORECASTLE DECK
UPPER DECK
25'-0" W.L.
MAIN DECK
UPPER KNUCKLE
LOWER KNUCKLE
UPPER KNUCKLE
LOWER KNUCKLE
MAIN DECK
18'-0" W.L.
16'-0" W.L.
14'-0" W.L.
12'-0" W.L.
10'-0" W.L.
8'-0" W.L.
6'-0" W.L.
4'-0" W.L.
2'-0" W.L.
BASE LINE
SECOND DECK
168
161
157-1/2
154
150-1/2
147
143-1/2
140
133
126
121
116
110
104
98
2
5-1/2
9
12-1/2
16
23
30
37
44
50
56
62
68
74
81
14'
10'
6'
2'
2'
6'
10'
14'
Extreme Beam 37'-0"


0
10
20
FEET 30
0
5
METERS 10

SCALE: 1" = 2½'

NOTE

This drawing was traced from historic drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features. For more information, see HAER Field Notebooks.

DELINEATED BY: *edited from USCG drawings*

UNITED STATES COAST GUARD
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. COAST GUARD CUTTER "BRAMBLE"- 1944
WATERFRONT AT LINCOLN AVE.
PORT HURON VIC.
ST. CLAIR COUNTY
MICHIGAN

SHEET
4 OF 6

HISTORIC AMERICAN
ENGINEERING RECORD
MI-323

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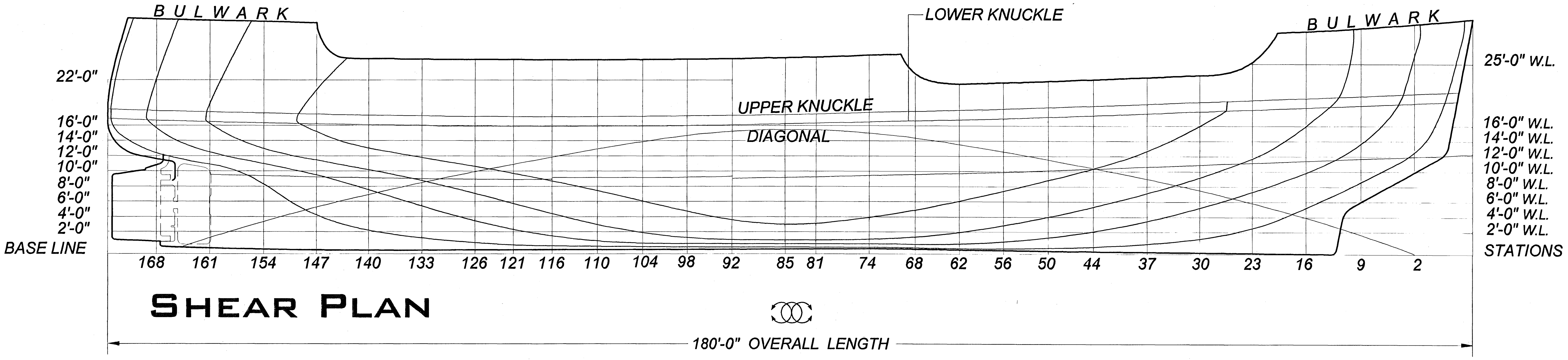
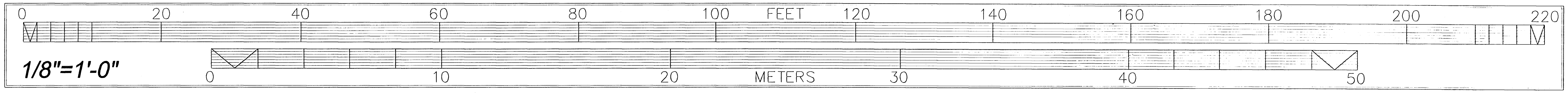
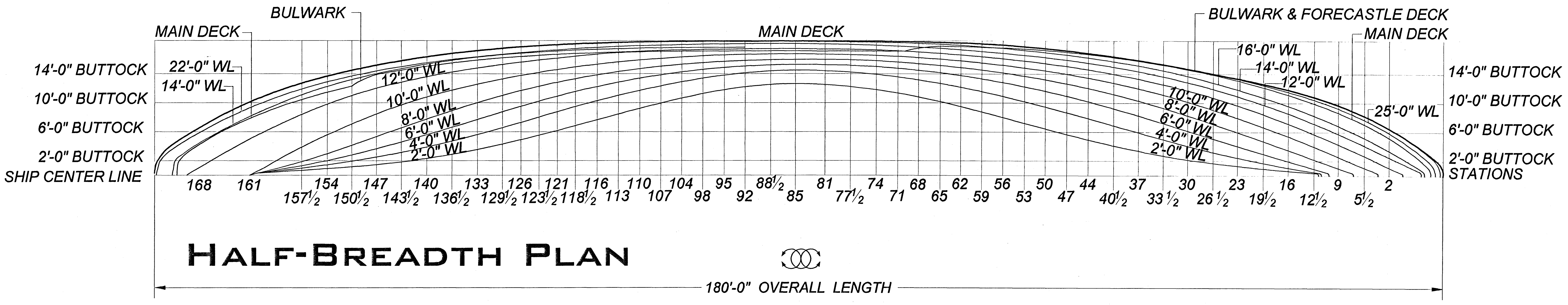
USCGC BRAMBLE
HALF-BREADTH & SHEAR PLANS

NOTE: *This drawing was traced from original design drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features; see HAER Field Notebooks for more information.*


BULWARK
LOWER KNUCKLE
BULWARK
22'-0"
16'-0"
14'-0"
12'-0"
10'-0"
8'-0"
6'-0"
4'-0"
2'-0"
BASE LINE
UPPER KNUCKLE
DIAGONAL
25'-0" W.L.
16'-0" W.L.
14'-0" W.L.
12'-0" W.L.
10'-0" W.L.
8'-0" W.L.
6'-0" W.L.
4'-0" W.L.
2'-0" W.L.
STATIONS
168 161 154 147 140 133 126 121 116 110 104 98 92 85 81 74 68 62 56 50 44 37 30 23 16 9 2
180'-0" OVERALL LENGTH

SHEAR PLAN


0 20 40 60 80 100 FEET 120 140 160 180 200 220
1/8"=1'-0"
0 10 20 METERS 30 40 50


BULWARK
MAIN DECK
MAIN DECK
BULWARK & FORECASTLE DECK
MAIN DECK
14'-0" BUTTOCK
10'-0" BUTTOCK
6'-0" BUTTOCK
2'-0" BUTTOCK
SHIP CENTER LINE
22'-0" WL
14'-0" WL
12'-0" WL
10'-0" WL
8'-0" WL
6'-0" WL
4'-0" WL
2'-0" WL
16'-0" WL
14'-0" WL
12'-0" WL
10'-0" WL
8'-0" WL
6'-0" WL
4'-0" WL
2'-0" WL
25'-0" WL
14'-0" BUTTOCK
10'-0" BUTTOCK
6'-0" BUTTOCK
2'-0" BUTTOCK
STATIONS
168 161 154 147 140 133 126 121 116 110 104 95 88½ 81 74 68 62 56 50 44 37 30 23 16 9 2
157½ 150½ 143½ 136½ 129½ 123½ 118½ 113 107 98 92 85 77½ 71 65 59 53 47 40½ 33½ 26½ 19½ 12½ 5½
180'-0" OVERALL LENGTH

HALF-BREADTH PLAN

DELINEATED BY: *edited from USCG drawings*

UNITED STATES COAST GUARD RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. COAST GUARD CUTTER "BRAMBLE"- 1944
WATERFRONT AT LINCOLN AVE.
PORT HURON VIC. ST. CLAIR COUNTY MICHIGAN

SHEET 5 OF 6

HISTORIC AMERICAN ENGINEERING RECORD
MI-323

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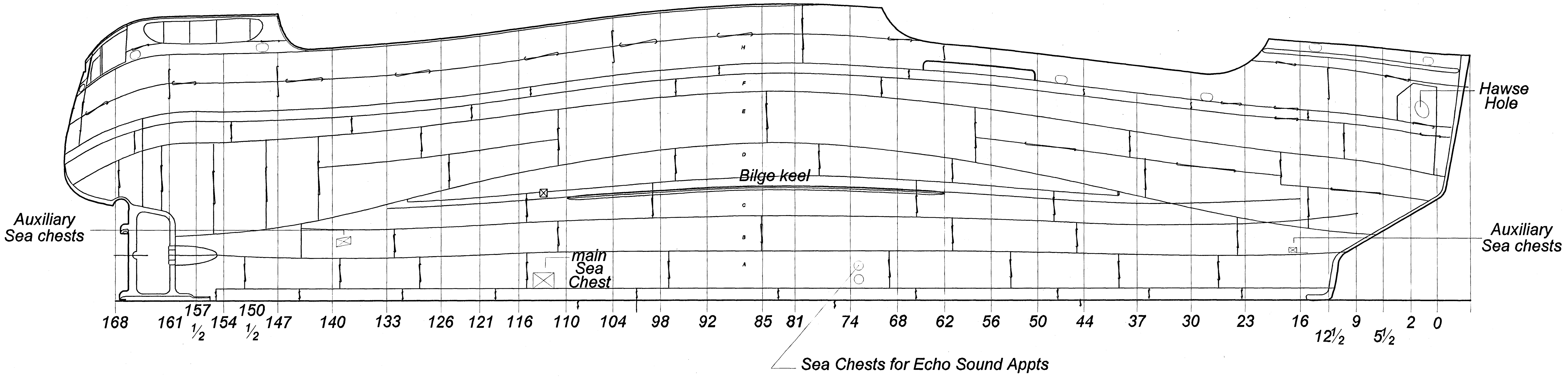
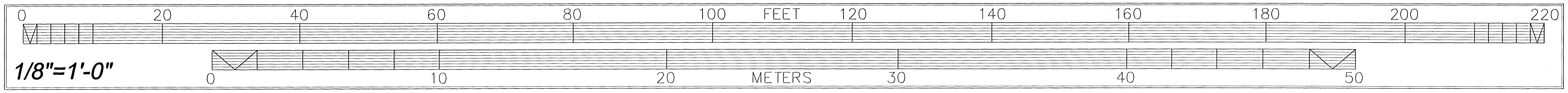
USCGC BRAMBLE

SHELL EXPANSION PLAN

NOTE: *This drawing was traced from original design drawings of the USCG Cutter BRAMBLE. HAER did not field check dimensions or arrangement of features; see HAER Field Notebooks for more information.*


Auxiliary Sea chests
H
F
E
D
C
B
A
Bilge keel
main Sea Chest
Hawse Hole
Auxiliary Sea chests
168
161
157 1/2
154
150 1/2
147
140
133
126
121
116
110
104
98
92
85
81
74
68
62
56
50
44
37
30
23
16
12 1/2
9
5 1/2
2
0
Sea Chests for Echo Sound Appts


0
20
40
60
80
100
FEET
120
140
160
180
200
220
0
10
20
METERS
30
40
50

1/8"=1'-0"

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